

Notes for the August 7, 2013, CERES Processing Oversight Board Meeting

Meeting began at 12:30 p.m. in the Business Development conference room at SSAI.

Meeting Notes

There were no comments or questions on the minutes from the last meeting.

Announcements

Chris Harris will be on vacation next week

Configuration Code - Preliminary Findings

The SEC discussed Configuration Codes (CCs) and how they will be updated in the future. The first digit of each 3-number set will reflect the Edition number. CCs will be consistent throughout production streams. The final recommendation will be presented in early September. The CC updating strategy will be documented along with a set of high- and low-level flowcharts.

SCCR Discussion (SCCRs that have been submitted or updated since the last meeting)

TISA Averaging 976 – Delivery for daily solar constant.

There were no issues identified, so this SCCR will be approved.

CATALYST Testing Status

SIT is awaiting delivery of CATALYST Build 1.0.3.

Nelson successfully submitted and ran PRs for each of the eight CATALYST-enabled PGEs from the test PR Tool to CATALYST. Reduced most of the manual intervention previously required when no MODIS input data files are available. Plan to deliver 1.0.3 today.

Production Processing Status

Instrument 956 was promoted on Monday, August 5. ANGe ingest is slow so products are not all in the DPO yet.

Edition3 reprocessing PRs are in the review cycle.

New “Production Rate” column in processing stream tables. The “current” rate is the production rate since the last CPOB meeting. The “past” rate is the production rate between the last CPOB meeting and the meeting prior to that one. Example processing rate calculation: If five months of Terra is processed in two weeks then the processing rate is 10X.

System Status

Performance issues on the database server slowed down ANGe. No root cause discovered yet.

Determining next maintenance period to upgrade *AMI-P*. Looking at how to minimize outage. Will probably be started on a Sunday. Outage will last at least two days. Early September is the soonest the outage will happen.

Sunny reported that several months of VIIRS data is in the archive but not the DPO. Sunny submitted a ticket and some of the files were put in the DPO but not all. Roger and Lindsay will look into the issue.

Status of Open SCCRs

- 971 – Had to make additional updates after *AMI* was upgraded. Will be delivered with CATALYST Build 1.0.3.
- 962 – No updates.
- 963 – No updates.
- 972 – No updates.
- 937 – Plan to deliver Build 1.0.3 today.
- 919 – Ran one month of Terra and Aqua over Greenland. Running over Antarctica now. Looks like the Welch algorithm is where the problem is. A final decision will be made after the test runs are completed.
- 940 – Differences between the number of footprints was related to footprints being put into different bins. This was determined to be okay. Continuing to create validation plots for Dave.
- 960 – Making progress on algorithm issues. Delivery will slip at least two more weeks.
- 959 – Delivery slipping two weeks due to Clouds. Delivery date has slipped enough to make Edition4 the higher priority than this NPP delivery.
- 973 – No updates.
- 974 – No updates.
- 975 – No updates.

Hot Box

Item 1: Definition and implementation of Configuration Codes

The SEC met and Denise presented the initial findings at the beginning of the CPOB meeting.

Item 2: *AMI-P* upgrade

Looking at doing this in early September.

Item 3: Disk space on *AMI-P*

Tonya reported that the disk space on *AMI-P* is okay for now.

Item 4: P7 processors

No update.

Item 5: Starting date for PRs

This issue is being evaluated. The comment field will be used for now.

Item 6: Processing completion notifications

Lisa will give a presentation on this topic at the next CPOB meeting.

Item 7: Ensuring requested data is actually used in production processing

Recently several products were produced with limited data, defaulting to climatology, or had other processing anomalies. The CERES DMT should ensure the requested inputs are used in processing. As PGEs are redelivered, the use of climatology data sets should be evaluated and eliminated if no longer applicable. Also, ensure that any functionality that should prevent your PGE from running is working in production. Automated tools that check for missing inputs would catch things before the scientist do during validation (especially leading into a Science Team Meeting). As CATALYST and PRDB and Web Tools become available, additional tools for data checking and implementing production rules will be available.

Item 8: Definition of \$PROD environment variable across subsystems

Tonya reported that the PROD yes/no definition may change across some subsystems. A brief check indicated that some subsystems use the variable to determine if data should be read from the archive or local disk. However, the majority of the subsystem use PROD to indicate if the run is a production or test run.

Item 9: Wrapper scripts

There will be a presentation on wrapper scripts in the near future.

Meeting ended at 1:06 p. m.